IN THE CLAIMS:

-29. A communication system, comprising:

an interrogator to produce and transmit a spread spectrum signal which includes an original data signal component; and

a plurality of receiver systems connected to articles remote from the interrogator, each receiver system comprising:

receiving and processing circuitry to receive the transmitted spread spectrum signal and in response thereto to produce a data signal indicative of the original data signal component;

signal production circuitry to receive the data signal and selectively produce a return signal including information regarding the article; and transmitting circuitry to transmit the return signal to the interrogator.

- 30. The communication system of claim 29, wherein the interrogator selectively addresses a particular one of the receiver systems by providing the original data signal component with a particular characteristic, and wherein the signal production circuitry of a particular one of the receiver systems produces the return signal only when particular characteristic is present in the data signal.
- 31. The communication system of claim 29, wherein the interrogator selectively addresses different ones of the receiver systems.
- 32. The communication system of claim 29, further comprising an additional interrogator and circuitry that determines the location of a particular one of the receiver systems by triangulation between the interrogator, the additional interrogator, and the particular one of the receiver systems.

33. A method for communicating pulse coded information between low power transceivers, the method comprising:

spectrally spreading a carrier by modulating the carrier with a first direct sequence pseudo-random pulse code waveform, thereby producing a spectrally spread carrier;

modulating a data pulse code waveform including information to be transmitted with a second direct sequence pseudo-random pulse code waveform, thereby producing a modulated data pulse code waveform; and

modulating the spectrally spread carrier with the modulated data pulse code waveform to form a modulated spectrally spread signal.--

Respectfully submitted,

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